

AMENDMENTS TO THE CLAIMS

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Currently amended) A genetically modified mouse ~~or mouse cell~~ characterised in that it does not comprise a nucleic acid sequence which itself encodes any the complete coding region of the endogenous immunoglobulin heavy chain constant region locus polypeptide is deleted and in that one or more endogenous Ig H Variable region, one or more endogenous Ig H D segment, and one or more endogenous Ig H J segment nucleic acid sequences are present.
2. (Currently amended) A genetically modified mouse according to claim 1, wherein ~~or mouse cell characterised in that it does not comprise a nucleic acid sequence which itself encodes any endogenous immunoglobulin heavy chain constant region locus polypeptide and in that~~ all the endogenous Ig H Variable region, D and J segment nucleic acid sequences are present.
3. (Currently amended) A genetically modified mouse ~~or mouse cell~~ according to claim 1 characterised in that it does not comprise a nucleic acid sequence which itself encodes any immunoglobulin heavy chain constant region (IgH C) polypeptide.
4. (Canceled)
5. (Currently amended) A genetically modified mouse ~~or mouse cell~~ according to claim 1, characterised in that it is obtainable or obtained by targeted deletion of essentially all endogenous IgH C gene sequences.
6. (Currently amended) A genetically modified mouse ~~or mouse cell~~ according to claim 1 characterised in that it is obtainable or obtained by Cre *loxP* recombination.
7. (Currently amended) A genetically modified mouse ~~or mouse cell~~ according to claim 1 characterised in that at least part of at least one IgH C gene enhancer sequence is present.

8. (Currently amended) A genetically modified mouse ~~or mouse cell~~ according to claim 1 characterised in that a non-endogenous site-specific recombination sequence is present within the genome.

9. (Canceled)

10. (Canceled)

11. (Currently amended) A genetically modified mouse ~~or mouse cell~~ according to claim 1 characterised in that one or more selectable marker(s) is present within the genome.

12. (Currently amended) A genetically modified mouse ~~or mouse cell~~ according to claim 8 characterised in that at least one selectable marker is present upstream of, or downstream of, the non-endogenous site specific recombination sequence.

13. (Canceled)

14. (Currently amended) A genetically modified mouse ~~or mouse cell~~ according to claim 11 characterised in that the selectable marker(s) is one or more selectable marker selected from a group comprising a neomycin resistance gene, a puromycin resistance gene, and a hygromycin resistance gene.

15. (Currently amended) A genetically modified mouse ~~or mouse cell~~ according to claim 8 characterised in that the non-endogenous site-specific recombination sequence is a *loxP* site.

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Withdrawn and Currently amended) A genetically modified ~~non-human~~ mouse cell according to claim 22 [[1]] characterised in that it is an embryonic stem cell.

20. (Previously presented) A genetically modified mouse derived from a genetically modified mouse of claim 1.

21. (Canceled)

22. (Withdrawn and Currently amended) A genetically modified mouse cell ~~derived obtained~~ from a genetically modified mouse of claim 1.

23.-73. (Canceled)

74. (New) A genetically modified mouse cell obtained from a genetically modified mouse of claim 2.

75. (New) A genetically modified mouse cell obtained from a genetically modified mouse of claim 3.

76. (New) A genetically modified mouse cell obtained from a genetically modified mouse of claim 5.

77. (New) A genetically modified mouse cell obtained from a genetically modified mouse of claim 6.

78. (New) A genetically modified mouse cell obtained from a genetically modified mouse of claim 7.

79. (New) A genetically modified mouse cell obtained from a genetically modified mouse of claim 8.

80. (New) A genetically modified mouse cell obtained from a genetically modified mouse of claim 11.

81. (New) A genetically modified mouse cell obtained from a genetically modified mouse of claim 12.

82. (New) A genetically modified mouse cell obtained from a genetically modified mouse of claim 14.

83. (New) A genetically modified mouse cell obtained from a genetically modified mouse of claim 15.